

# Product Datasheet

## Ly-6G/Ly-6C Antibody (RB6-8C5) - Azide and BSA Free NBP2-80838

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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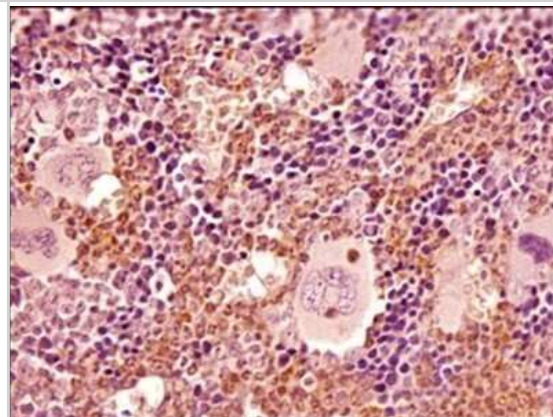
**NBP2-80838**

Ly-6G/Ly-6C Antibody (RB6-8C5) - Azide and BSA Free

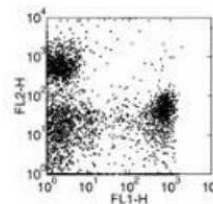
<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	RB6-8C5
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rat Ly-6G/Ly-6C Antibody (RB6-8C5) - Azide and BSA Free (NBP2-00441) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rat
<b>Gene ID</b>	546644
<b>Gene Symbol</b>	Ly6g
<b>Species</b>	Mouse
<b>Immunogen</b>	Normal mouse bone marrow.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, In vivo assay, Immunoprecipitation, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 8-25 ug/ml, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10-1:500, In vivo assay reported in scientific literature (PMID 16272176), CyTOF-ready
<b>Application Notes</b>	The RB6-8C5 antibody has been tested by flow cytometric analysis of mouse bone marrow cells and splenocyte suspensions. This can be used at less than or equal to 0.5 ug per test. A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 ul. Cell number should be determined empirically but can range from 10 <sup>5</sup> to 10 <sup>8</sup> cells/test. The RB6-8C5 antibody has also been reported for use immunoprecipitation, immunoblotting (WB) and immunohistochemical staining. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. This antibody is CyTOF ready.

## Images

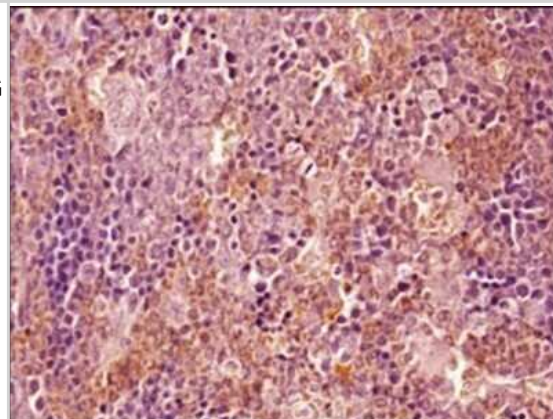
Immunohistochemistry-Paraffin: Ly-6G/Ly-6C Antibody (RB6-8C5) - Azide and BSA Free [NBP2-80838] - Analysis of a FFPE tissue section of mouse bone marrow using 1:200 dilution of Lot A-1 of Ly-6G antibody (clone RB6-8C5). The antibody generated specific staining in a subset of cells in the tested section. The neutrophils (identifiable from typical nucle



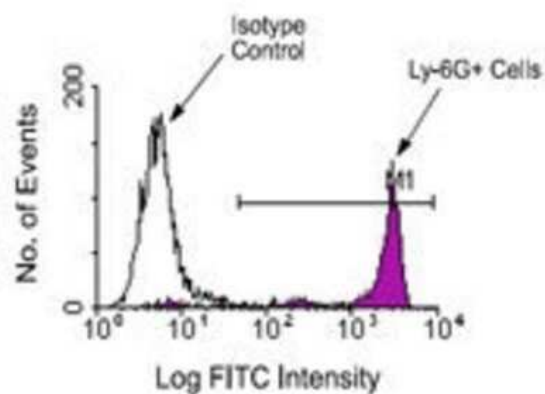
Flow Cytometry: Ly-6G/Ly-6C Antibody (RB6-8C5) - Azide and BSA Free [NBP2-80838] - Staining of mouse bone marrow with Anti-Mouse Ly-6G (Gr-1) FITC and Anti-Human/Mouse CD45R (B220) PE. Total viable cells were used for analysis. Image from the standard format of this antibody.



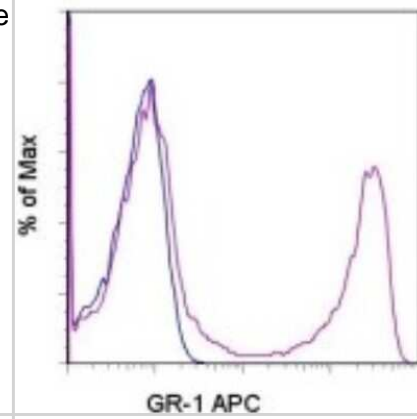
Immunohistochemistry-Paraffin: Ly-6G/Ly-6C Antibody (RB6-8C5) - Azide and BSA Free [NBP2-80838] - Analysis of a FFPE tissue section of mouse bone marrow using 1:100 dilution of Lot E04586-1632 of Ly-6G antibody (clone RB6-8C5). The antibody generated specific staining in a subset of cells in the tested section. Image from the standard format of this a



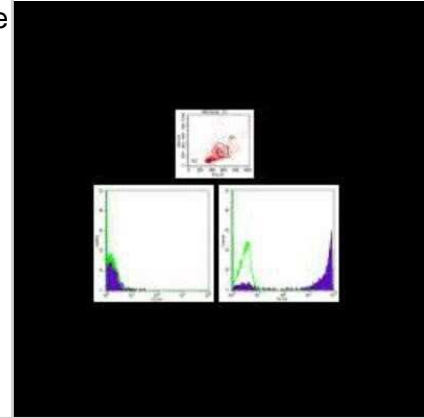
Flow Cytometry: Ly-6G/Ly-6C Antibody (RB6-8C5) - Azide and BSA Free [NBP2-80838] - 1  $\mu\text{g}/1 \times 10^6$  BALB/c bone marrow cells were stained with either rat IgG2b: FITC (as an isotype control) or rat anti-mouse Ly-6G: FITC. Large cells were then gated and analyzed on a flow cytometer. Image from the standard format of this antibody.



Flow Cytometry: Ly-6G/Ly-6C Antibody (RB6-8C5) - Azide and BSA Free [NBP2-80838] - Analysis using the Allophycocyanin conjugate of NBP2-00441. Staining of C57BL/6 bone marrow cells with 0.125 ug of Rat IgG2b kappa Isotype Control APC (blue histogram) or 0.125 ug of Anti-Mouse Ly-6G (Gr-1) APC (purple histogram).



Flow Cytometry: Ly-6G/Ly-6C Antibody (RB6-8C5) - Azide and BSA Free [NBP2-80838] - Analysis using the PE conjugate of NBP2-00441. Total BALB/c bone marrow cell suspension was stained with Anti-Mouse Ly-6G (Gr-1) PE. Viable cells were gated on lymphoid (R2) and myeloid (R3) populations based on their scatter. Restricted expression of Ly-6G by myeloid lineage (B) and not by lymphoid lineage (A) is demonstrated. Green histograms are autofluorescence of bone marrow cells.





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### **Products Related to NBP2-80838**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP1-43323-0.5mg	Rat IgG2b Kappa Light Chain Isotype Control (149/10H5)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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